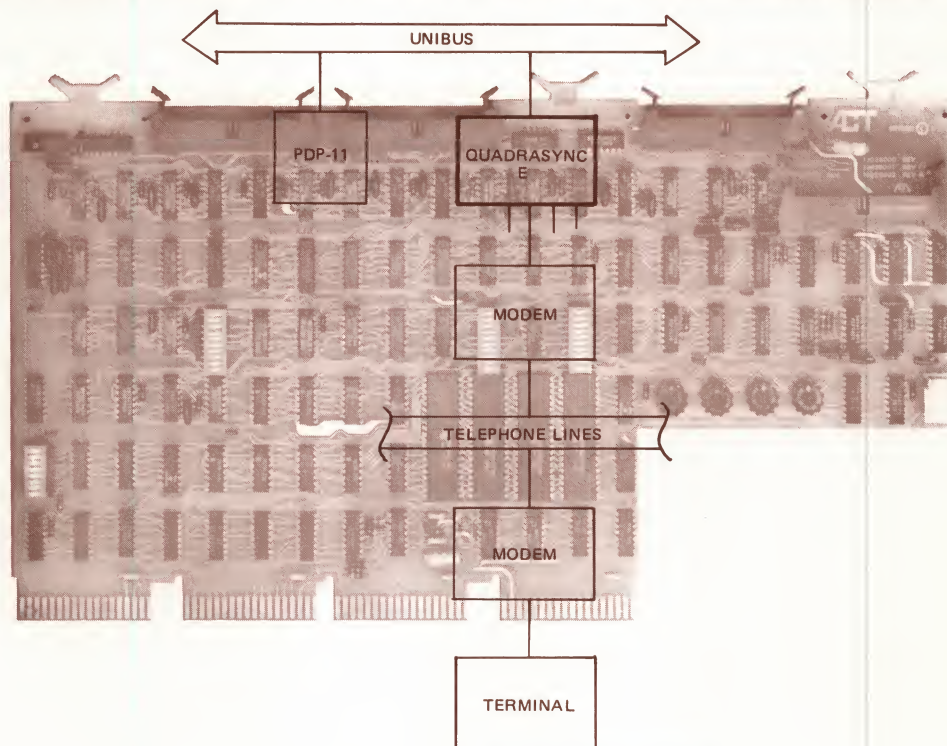


QUADRASYNC/E™ (Four Line DL11-E Equivalent)

The space-saving QUADRASYNC/E provides an interface between the PDP-11* Unibus* and four asynchronous communication channels with full dataset control.



FEATURES

- QUADRASYNC/E offers the features of four DEC* DL11-E's on one extended quad-width module
- The compact unit saves you space and power
- Presents only one unit load for four lines while DEC's DL11-E presents one for each line
- On-board switches for address and vector selection add flexibility without the need for jumpers
- Rotary switches allow easy selection of baud rates
- Eight baud rates are independently selectable for each channel
- Data format is jumper selectable for 5, 6, 7, or 8 data bits and 1, 1.5, or 2 stop bits
- QUADRASYNC/E is compatible with DEC operating system software
- QUADRASYNC/E supports full dataset control operation.

GENERAL DESCRIPTION

QUADRASYNC/E provides full duplex or half duplex communication between a PDP-11 and four asynchronous communication channels. It receives serial data from peripheral devices, converts it to parallel words and presents it to the Unibus. It accepts parallel data from the bus and converts it to serial data for transmission to peripheral devices.

QUADRASYNC/E provides complete dataset control for remote connection to EIA/CCITT terminals or to another PDP-11 computer. The user may select baud rate, address and vector locations, character format, and parity.

QUADRASYNC/E is contained on an extended quad-width module with four, 40-pin DEC compatible Berg connectors. Leads supported include: Receive, Transmit, Carrier, Ring, Request to Send, Clear to Send, Data Terminal Ready, Secondary Transmit Data, and Secondary Receive Data. EIA cables are ordered separately.

DATA FORMAT

Data format is serial with a choice of 1, 1.5, or 2 stop bits and 5, 6, 7, or 8 data bits. Parity is selectable as odd, even, or no parity.

DATA RATES

QUADRASYNC/E offers eight selectable baud rates. Transmitter and receiver operate at the same baud rate. The user may choose from the following rates:

9600	2400	600	150
4800	1200	300	75

ADDRESS SELECTION

Address selection is via on-board pencil switches. Addresses are in the range 774000 through 777776. Each QUADRASYNC/E requires 16 contiguous word locations.

VECTOR SELECTION

Vector selection is via on-board pencil switches. Vectors are in the range 000 through 774. Each QUADRASYNC/E requires 16 contiguous vector locations.

REGISTERS

QUADRASYNC/E has four addressable registers as follows:

Receiver Status Register (RCSR)	7XXXX0
Receiver Buffer Register (RBUF)	7XXXX2
Transmitter Status Register (XCSR)	7XXXX4
Transmitter Buffer Register (XBUF)	7XXXX6

SPECIAL CONSIDERATIONS

Address and vector locations are not independently selectable for the four channels but require 16 contiguous locations that are specified by one set of switches.

SPECIFICATIONS

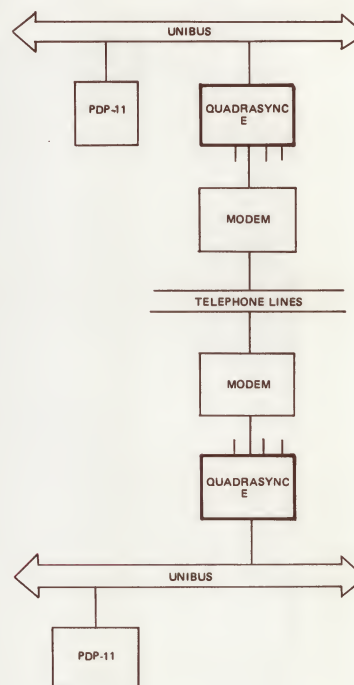
Bus Loading: 1 unit load

Power Required:	Voltage	Current
	+5 volts	2.30 amps
	+15 volts	0.10 amps
	-15 volts	0.20 amps

ORDERING INFORMATION

Model	ABLE Order Number	Description
QUADRASYNC/E	10028	Extended quad-width module for connection to four remote EIA/CCITT terminals. Does not include modem cable; use cable number 90000013.

Accessory	ABLE Order Number	Description
Modem Cable	90000013	25 foot cable equivalent to the DEC BC05-C-25 cable. One required per channel.



ABLE has created a veritable store of DEC computer enhancements. ABLE's unique products help you get more out of your PDP-11. Look at our current product listing . . . you will find solutions of genuine value.

SPECIAL MEMORY PRODUCTS

SCAT/45 (330 nsec Fastbus Memory)
CACHE/45 (2KB Fastbus Cache)
CACHE/434 (8KB Unibus Cache)
CACHE/440 (8KB Unibus Cache)
EMULOADER (ODT/Boot Loader)

GENERAL PURPOSE PRODUCTS

QNIVERTER (Dual-Purpose Converter)
UNIVERTER (Converter with Map)
REBUS (DB11-A Replacement)
DUAL I/O (Dual DR11-C)
INTERLINK (DR11-B Replacement)
BUSLINK (DA11-B--Unibus/Q Bus)

COMMUNICATIONS PRODUCTS

QUADRASYNC (4-line DL11)
QUADRASYNC/E (4-line DL11-E)
QUADRACALL (4-line DN11)
DMAX/16 (DH11 Replacement)
DV/16 (DV11 Replacement)
DZ/16 (DZ11-E Replacement)

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